[NAME OF DOCUMENT] ABSTRACT OF THE DISCLOSURE

It is an object of the present invention to provide an optical recording disc which can record data constituted by a recording mark train including recording marks and blank regions neighboring recording marks therein and reproduce the data therefrom even in the case where the lengths of a recording mark and a blank region between neighboring recording marks are shorter than the resolution limit, thereby markedly increasing the storage capacity thereof and can improve the C/N ratio of the reproduced signal.

An optical recording disc includes a substrate 2, a third dielectric layer 3, a light absorption layer 4, a second dielectric layer 5, a decomposition reaction layer 6 containing platinum oxide as a primary component, a first dielectric layer 7 and a light transmission layer 8 and wherein the second dielectric layer has a thickness of 20 nm to 100 nm and the optical recoding disc is constituted so that when it is irradiated with a laser beam 20 from the side of the light transmission layer 8, the platinum oxide contained in the decomposition reaction layer 6 as a primary component is decomposed into platinum and oxygen so that a bubble pit is formed in the decomposition reaction layer 6 by thus generated oxygen gas and fine particles of the noble metal precipitate into the bubble pit, thereby forming a recording mark in the decomposition reaction layer 6.